

**Testing, Experimentation and Quality Control Laboratory**

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**TEST REPORT n. 0598/2023/I**

**ANSI A326.3:2021**

**DETERMINATION OF DYNAMIC COEFFICIENT OF FRICTION (DCOF) OF HARD SURFACE FLOORING MATERIALS**

*Date of report:* 02/23/2023

*Customer:* **CASALGRANDE-PADANA S.p.A.**  
S.S. 467, 73  
42013 CASALGRANDE (RE)

*Requested on:* 02/10/2023

*Our ref.number:* 34398

*Execution place of tests:* Scandiano (RE)

*Description of the sample:* "Ceramic tiles 30x30 cm  
marked:Granito 1 Technic R10"

*Sampling:* carried out by the customer

*Receipt date of samples:* 02/16/2023

*Execution date of tests:* start: 02/22/2023 end: 02/22/2023

*Test specification:* ANSI A326.3:2021  
Determination of dynamic coefficient of friction (DCOF) of hard surface flooring materials.

*Warnings:* *This test report may not be reproduced in part without our written approval.  
The results reported only refer to the samples tested, as received, and are only valid under the conditions in which the work was carried out.  
The information enclosed in inverted commas was provided by the customer and the laboratory accepts no liability for it.*

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**Scope:** this standard describe the test method for measuring dynamic coefficient of friction (DCOF) of hard surface flooring materials.

**Procedure:** the test is performed using Regan Scientific Instruments' BOT 3000E instrument in wet conditions using 0,05 % Sodium-Lauryl Sulfate (SLS) in water. The SBR testfoot sensor is used as a sliding element with standard characteristics as described in point 5.2. The sensor is controlled using a standard tile before and after the test. Three (3) tile samples are tested in four (4) directions.

Number of samples tested: 3

BOT 3000E calibration date: 01/09/2023

Type of surface: flat

Cleaning chemical: light-use cleaner, pH neutral

Length of the path: 8 inch (maximum possible path - as per paragraph 9.1.4)

Conditions of the test: wet surface

Type of sensor: SBR testfoot

**Test results**

DCOF (wet) of sensor validation surface (0,37 ± 0,03)

Before the test: 0,36  
After the test: 0,35

Sample	Direction 1	Direction 2	Direction 3	Direction 4	DCOF Average
1	0,59	0,61	0,56	0,63	<b>0,60</b>
2	0,59	0,58	0,55	0,62	<b>0,59</b>
3	0,59	0,59	0,54	0,61	<b>0,58</b>



The Director  
Giulia Gaido

End of test report